



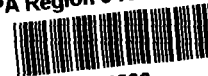
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 5 CENTRAL REGIONAL LABORATORY

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

EPA Region 5 Records Ctr.



271536

Date: 11/4/02

Subject: Review of Region 5 Data for Schroud Property, Chicago IL

From: Kathleen Swan, Analyst KS
Region 5 Central Regional Laboratory

To: Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago, IL 60604

Attached are Results for: Schroud Property, Chicago IL

Analyses included in this report:

Metals full ICP (S)

NOV 04/2002

Sylvia Griffin
Data Management Coordinator and Date Received

Date Transmitted: NOV 04/2002

Please have the U.S. EPA Project Manager/Officer call the CRL Sample Coordinator at 3-7444 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Sylvia Griffin
Data Management Coordinator
Region 5 Central Regional Laboratory
ML-10C

_____/_____/_____
Received by and Date

Comments:

Narrative Date: 10 31 2002
Analyst: K. Swan
Batch Number: 0209009
Study: Schroud Property, Chicago IL
Parameter: ICP Metals

ICP NARRATIVE for Work Order Number 0209009

Twelve soil samples (0209009-01 through -12) were submitted for the analysis of ICP metals. The samples were collected on 09 19 02 and received by the CRL on 09 20 02.

The sample were dried, ground, and digested for ICP metals by L. Zintek on 09 21 02, following the 200.2 hot block standard digestion protocols for soil samples. All samples were digested within the six month hold time for metals. Sample analysis was performed on 10 01 02, 10 07 02, and 10 21 02.

All analytical results files, sample information files and reformat files for ICP can be found on the R5CRL data server using the following paths: h:\r5crl\vol3\metals\Kswan\0209009\3300dv

The narrative, QC summary spreadsheets, sample result calculation spreadsheets and the final sample report for ICP can be found on the R5CRL data server using the following path:
h:\r5crl\vol3\metals\Kswan\0209009\Reports

Results file 0209009 B2I2006 100102

It is noted that these samples are extraordinarily high in Mn and required a fifty-fold dilution. An interference check showed a possibly false positive on Zn of approximately 20 mg/kg, which is not greater than 20% for these samples, but every indication is that it is actually Zn contamination in the Mn stock, and thus would not affect the data.

Be had a low bias of as much as -0.0014 mg/L in the blanks, which could typically result in a low sample bias of -0.2 mg/kg; thus Be is flagged "L". Cu showed a slight high bias in the blanks, in one case as much as 0.067 mg/L, which could typically result in a high sample bias of up to 9.5 mg/kg, which is not greater than 20% for these samples, but since this is evidently a carryover from the reference standard, it does not affect data quality. Al, Ca, and Fe appeared slightly high in the blanks, but not significant. The first set of matrix spikes on sample 0209009-08, taken from jar 246986, was low in Ag (74%) and Ni (67%). The second set of matrix spikes on sample 0209009-08, taken from jar 246987, was low in Ag (78%), Co (74%), Cu (76%), Ni (36%), and Zn (79%). It is suggested that the field duplicates for -08 were not very homogeneous, also suggested by the presence of stones in the samples. The amount of Cr, Mn, Pb, and V in the sample exceeded the amount in the spike by greater than double, so the matrix spike is not a valid audit for these elements.

Narrative by: K Swan Chemist, USEPA
Date: 11 04 02

Results file 0209009 B2I2006 100702

Results for Ca, Cr, Fe, and Mn are taken from a 50-fold dilution. The instrument blank showed a very slight negative amount of Ca and a very slight positive amount of Mn, and this is negligible.

Results file 0209009 B2I2006 102102

The spikes for sample 0209009-02 is an invalid audit for Cr, Mn, and V due to the large amounts of these elements already in the sample.

Narrative by: K Swan Chemist, USEPA
Date: 11 04 02



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
02TN6D03	0209009-01	Soil	Sep-19-02 10:45	Sep-20-02 11:02
02TN6S01	0209009-02	Soil	Sep-19-02 10:05	Sep-20-02 11:02
02TN6S02	0209009-03	Soil	Sep-19-02 10:20	Sep-20-02 11:02
02TN6S03	0209009-04	Soil	Sep-19-02 10:45	Sep-20-02 11:02
02TN6S04	0209009-05	Soil	Sep-19-02 11:05	Sep-20-02 11:02
02TN6S05	0209009-06	Soil	Sep-19-02 11:25	Sep-20-02 11:02
02TN6S06	0209009-07	Soil	Sep-19-02 11:40	Sep-20-02 11:02
02TN6S07	0209009-08	Soil	Sep-19-02 12:05	Sep-20-02 11:02
02TN6S08	0209009-09	Soil	Sep-19-02 12:20	Sep-20-02 11:02
02TN6S09	0209009-10	Soil	Sep-19-02 12:25	Sep-20-02 11:02
02TN6S10	0209009-11	Soil	Sep-19-02 12:35	Sep-20-02 11:02
02TN6S11	0209009-12	Soil	Sep-19-02 12:40	Sep-20-02 11:02

KS

Kathleen Swan, Analyst

Report Name: 0209009
Page 1 of 14



Environmental Protection Agency Region 5 Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6D03
0209009-01(Soil)
Sampled: Sep-19-02 10:45
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	14000			1300	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	160			0.27	"	"	"	"	"
Beryllium	U			0.13	"	"	"	"	"
Cadmium	5.5			2.7	"	"	"	"	"
Calcium	210000			670	"	50	"	"	"
Chromium	3200			130	"	"	"	"	"
Cobalt	4.5			2.7	"	1	"	"	"
Copper	110			1.3	"	"	"	"	"
Iron	160000			67000	"	50	"	"	"
Lead	370			13	"	1	"	"	"
Magnesium	25000			13	"	"	"	"	"
Manganese	32000			34	"	50	"	"	"
Nickel	110			1.3	"	1	"	"	"
Potassium	U			340	"	"	"	"	"
Silver	1.6			1.3	"	"	"	"	"
Sodium	540			270	"	"	"	"	"
Strontium	100			0.27	"	"	"	"	"
Titanium	1500			0.67	"	"	"	"	"
Vanadium	300			8.1	"	"	"	"	"
Zinc	230			6.7	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009

Page 2 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S01

0209009-02(Soil)

Sampled: Sep-19-02 10:05

Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	14000			1400	mg/kg	1	B212006	Sep-21-02	Oct-01-02
Barium	200			0.29	"	"	"	"	"
Beryllium	0.84			0.14	"	"	"	"	"
Cadmium	4.3			2.9	"	"	"	"	"
Calcium	210000			710	"	50	"	"	"
Chromium	2900			140	"	"	"	"	"
Cobalt	U			2.9	"	1	"	"	"
Copper	95			1.4	"	"	"	"	"
Iron	200000			71000	"	50	"	"	"
Lead	410			14	"	1	"	"	"
Magnesium	34000			14	"	"	"	"	"
Manganese	38000			36	"	50	"	"	"
Nickel	49			1.4	"	1	"	"	"
Potassium	380			360	"	"	"	"	"
Silver	1.7			1.4	"	"	"	"	"
Sodium	310			290	"	"	"	"	"
Strontium	170			0.29	"	"	"	"	"
Titanium	1900			0.71	"	"	"	"	"
Vanadium	290			8.6	"	"	"	"	"
Zinc	220			7.1	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009

Page 3 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL. 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S02
0209009-03(Soil)
Sampled: Sep-19-02 10:20
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	12000			1000	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	140			0.20	"	"	"	"	"
Beryllium	U			0.10	"	"	"	"	"
Cadmium	U			2.0	"	"	"	"	"
Calcium	260000			500	"	50	"	"	"
Chromium	5100			100	"	"	"	"	"
Cobalt	2.5			2.0	"	1	"	"	"
Copper	83			1.0	"	"	"	"	"
Iron	190000			50000	"	50	"	"	"
Lead	210			10	"	1	"	"	"
Magnesium	31000			10	"	"	"	"	"
Manganese	39000			25	"	50	"	"	"
Nickel	93			1.0	"	1	"	"	"
Potassium	U			250	"	"	"	"	"
Silver	2.5			1.0	"	"	"	"	"
Sodium	240			200	"	"	"	"	"
Strontium	110			0.20	"	"	"	"	"
Titanium	1400			0.50	"	"	"	"	"
Vanadium	400			6.0	"	"	"	"	"
Zinc	100			5.0	"	"	"	"	"

KS
Kathleen Swan, Analyst

Report Name: 0209009
Page 4 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S03
0209009-04(Soil)
Sampled: Sep-19-02 10:45
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	11000			1400	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	150			0.29	"	"	"	"	Oct-01-02
Beryllium	U			0.14	"	"	"	"	Oct-01-02
Cadmium	7.0			2.9	"	"	"	"	"
Calcium	180000			720	"	50	"	"	Oct-01-02
Chromium	3400			140	"	"	"	"	"
Cobalt	6.6			2.9	"	1	"	"	Oct-01-02
Copper	110			1.4	"	"	"	"	"
Iron	200000			72000	"	50	"	"	"
Lead	610			14	"	1	"	"	"
Magnesium	37000			14	"	"	"	"	Oct-01-02
Manganese	30000			36	"	50	"	"	Oct-01-02
Nickel	110			1.4	"	1	"	"	"
Potassium	U			360	"	"	"	"	"
Silver	2.3			1.4	"	"	"	"	"
Sodium	U			290	"	"	"	"	"
Strontium	86			0.29	"	"	"	"	Oct-01-02
Titanium	1200			0.72	"	"	"	"	"
Vanadium	230			8.6	"	"	"	"	Oct-01-02
Zinc	270			7.2	"	"	"	"	"

KS
Kathleen Swan, Analyst

Report Name: 0209009

Page 5 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S04
0209009-05(Soil)
Sampled: Sep-19-02 11:05
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	8900			1400	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	130			0.28	"	"	"	"	"
Beryllium	0.52			0.14	"	"	"	"	"
Cadmium	U			2.8	"	"	"	"	"
Calcium	190000			700	"	50	"	"	"
Chromium	2100			140	"	"	"	"	"
Cobalt	4.0			2.8	"	1	"	"	"
Copper	73			1.4	"	"	"	"	"
Iron	160000			70000	"	50	"	"	"
Lead	920			14	"	1	"	"	"
Magnesium	26000			14	"	"	"	"	"
Manganese	29000			35	"	50	"	"	"
Nickel	56			1.4	"	1	"	"	"
Potassium	U			350	"	"	"	"	"
Silver	U			1.4	"	"	"	"	"
Sodium	U			280	"	"	"	"	"
Strontium	140			0.28	"	"	"	"	"
Titanium	1200			0.70	"	"	"	"	"
Vanadium	210			8.4	"	"	"	"	"
Zinc	150			7.0	"	"	"	"	"

ES
Kathleen Swan, Analyst

Report Name: 0209009
Page 6 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL., 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S05
0209009-06(Soil)
Sampled: Sep-19-02 11:25
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	7300			1000	mg/kg	1	B212006	Sep-21-02	Oct-01-02
Barium	95			0.20	"	"	"	"	"
Beryllium	0.16			0.10	"	"	"	"	"
Cadmium	U			2.0	"	"	"	"	"
Calcium	96000			500	"	50	"	"	"
Chromium	1700			100	"	"	"	"	"
Cobalt	4.7			2.0	"	1	"	"	"
Copper	69			1.0	"	"	"	"	"
Iron	99000			50000	"	50	"	"	"
Lead	300			10	"	1	"	"	"
Magnesium	12000			10	"	"	"	"	"
Manganese	16000			25	"	50	"	"	"
Nickel	63			1.0	"	1	"	"	"
Potassium	U			250	"	"	"	"	"
Silver	U			1.0	"	"	"	"	"
Sodium	U			200	"	"	"	"	"
Strontium	56			0.20	"	"	"	"	"
Titanium	730			0.50	"	"	"	"	"
Vanadium	130			6.0	"	"	"	"	"
Zinc	170			5.0	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009
Page 7 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S06
0209009-07(Soil)
Sampled: Sep-19-02 11:40
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	11000			1200	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	140			0.23	"	"	"	"	"
Beryllium	U			0.12	"	"	"	"	"
Cadmium	U			2.3	"	"	"	"	Oct-01-02
Calcium	200000			580	"	50	"	"	Oct-01-02
Chromium	3600			120	"	"	"	"	"
Cobalt	7.4			2.3	"	1	"	"	Oct-01-02
Copper	170			1.2	"	"	"	"	Oct-01-02
Iron	270000			58000	"	50	"	"	Oct-01-02
Lead	520			12	"	1	"	"	"
Magnesium	28000			12	"	"	"	"	Oct-01-02
Manganese	33000			29	"	50	"	"	Oct-01-02
Nickel	140			1.2	"	1	"	"	"
Potassium	U			290	"	"	"	"	Oct-01-02
Silver	U			1.2	"	"	"	"	"
Sodium	U			230	"	"	"	"	"
Strontium	88			0.23	"	"	"	"	"
Titanium	1300			0.58	"	"	"	"	"
Vanadium	310			7.0	"	"	"	"	"
Zinc	140			5.8	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009

Page 8 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S07
0209009-08(Soil)
Sampled: Sep-19-02 12:05
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	13000			1300	mg/kg	1	B212006	Sep-21-02	Oct-01-02
Barium	110			0.25	"	"	"	"	"
Beryllium	U			0.13	"	"	"	"	"
Cadmium	U			2.5	"	"	"	"	"
Calcium	190000			630	"	50	"	"	"
Chromium	2900			130	"	"	"	"	"
Cobalt	9.2			2.5	"	1	"	"	"
Copper	220			1.3	"	"	"	"	"
Iron	330000			63000	"	50	"	"	"
Lead	890			13	"	1	"	"	"
Magnesium	29000			13	"	"	"	"	"
Manganese	30000			32	"	50	"	"	"
Nickel	220			1.3	"	1	"	"	"
Potassium	U			320	"	"	"	"	"
Silver	U			1.3	"	"	"	"	"
Sodium	250			250	"	"	"	"	"
Strontium	88			0.25	"	"	"	"	"
Titanium	1400			0.63	"	"	"	"	"
Vanadium	310			7.6	"	"	"	"	"
Zinc	180			6.3	"	"	"	"	"

KS
Kathleen Swan, Analyst

Report Name: 0209009

Page 9 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S08
0209009-09(Soil)
Sampled: Sep-19-02 12:20
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	16000			1000	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	52			0.20	"	"	"	"	"
Beryllium	U			0.10	"	"	"	"	"
Cadmium	U			2.0	"	"	"	"	"
Calcium	200000			500	"	50	"	"	"
Chromium	2500			100	"	"	"	"	"
Cobalt	5.2			2.0	"	1	"	"	"
Copper	96			1.0	"	"	"	"	"
Iron	230000			50000	"	50	"	"	"
Lead	720			10	"	1	"	"	"
Magnesium	33000			10	"	"	"	"	"
Manganese	23000			25	"	50	"	"	"
Nickel	230			1.0	"	1	"	"	"
Potassium	U			250	"	"	"	"	"
Silver	U			1.0	"	"	"	"	"
Sodium	U			200	"	"	"	"	"
Strontium	93			0.20	"	"	"	"	"
Titanium	1200			0.50	"	"	"	"	"
Vanadium	280			6.0	"	"	"	"	"
Zinc	220			5.0	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009

Page 10 of 14



Environmental Protection Agency Region 5 Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL., 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S09
0209009-10(Soil)
Sampled: Sep-19-02 12:25
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	11000			1000	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	150			0.20	"	"	"	"	"
Beryllium	U			0.10	"	"	"	"	"
Cadmium	U			2.0	"	"	"	"	"
Calcium	180000			500	"	50	"	"	"
Chromium	2800			100	"	"	"	"	"
Cobalt	7.2			2.0	"	1	"	"	"
Copper	150			1.0	"	"	"	"	"
Iron	230000			50000	"	50	"	"	"
Lead	560			10	"	1	"	"	"
Magnesium	27000			10	"	"	"	"	"
Manganese	28000			25	"	50	"	"	"
Nickel	220			1.0	"	1	"	"	"
Potassium	U			250	"	"	"	"	"
Silver	U			1.0	"	"	"	"	"
Sodium	200			200	"	"	"	"	"
Strontium	96			0.20	"	"	"	"	"
Titanium	1100			0.50	"	"	"	"	"
Vanadium	270			6.0	"	"	"	"	"
Zinc	130			5.0	"	"	"	"	"

KS
Kathleen Swan, Analyst

Report Name: 0209009

Page 11 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL., 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S10
0209009-11(Soil)
Sampled: Sep-19-02 12:35
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Aluminum	13000			900	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Barium	150			0.18	"	"	"	"	"
Beryllium	U			0.090	"	"	"	"	"
Cadmium	U			1.8	"	"	"	"	Oct-01-02
Calcium	230000			450	"	50	"	"	Oct-01-02
Chromium	3100			90	"	"	"	"	"
Cobalt	4.4			1.8	"	1	"	"	Oct-01-02
Copper	72			0.90	"	"	"	"	Oct-01-02
Iron	170000			45000	"	50	"	"	Oct-01-02
Lead	820			9.0	"	1	"	"	"
Magnesium	37000			9.0	"	"	"	"	Oct-01-02
Manganese	34000			22	"	50	"	"	Oct-01-02
Nickel	230			0.90	"	1	"	"	"
Potassium	360			220	"	"	"	"	Oct-01-02
Silver	2.3			0.90	"	"	"	"	"
Sodium	260			180	"	"	"	"	"
Strontium	110			0.18	"	"	"	"	"
Titanium	1400			0.45	"	"	"	"	"
Vanadium	360			5.4	"	"	"	"	"
Zinc	92			4.5	"	"	"	"	"

KS
Kathleen Swan, Analyst

Report Name: 0209009
Page 12 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL, 60604

Project:Schrout Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

02TN6S11
0209009-12(Soil)
Sampled: Sep-19-02 12:40
Received: Sep-20-02 11:02

Metals by ICP

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Barium	140			0.28	mg/kg	1	B2I2006	Sep-21-02	Oct-01-02
Beryllium	U			0.14	"	"	"	"	"
Cadmium	U			2.8	"	"	"	"	"
Calcium	190000			700	"	50	"	"	Oct-01-02
Chromium	3200			140	"	"	"	"	Oct-01-02
Cobalt	5.7			2.8	"	1	"	"	"
Copper	130			1.4	"	"	"	"	"
Iron	230000			70000	"	50	"	"	"
Lead	640			14	"	1	"	"	"
Magnesium	30000			14	"	"	"	"	"
Manganese	28000			35	"	50	"	"	"
Nickel	130			1.4	"	1	"	"	"
Potassium	U			350	"	"	"	"	"
Silver	U			1.4	"	"	"	"	"
Sodium	290			280	"	"	"	"	"
Strontium	95			0.28	"	"	"	"	"
Titanium	1100			0.70	"	"	"	"	"
Vanadium	300			8.4	"	"	"	"	"
Zinc	160			7.0	"	"	"	"	"

KS

Kathleen Swan, Analyst

Report Name: 0209009

Page 13 of 14



Environmental Protection Agency Region 5
Central Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Superfund, US EPA Region 5
77 West Jackson Boulevard
Chicago IL., 60604

Project:Schroud Property, Chicago IL
Project Number:02TN6
Project Manager:Howard Pham

Reported:
Nov-04-02 15:26

Notes and Definitions

U Not Detected
NR Not Reported

KS
Kathleen Swan, Analyst

Report Name: 0209009
Page 14 of 14